

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-207395

(43)Date of publication of application : 07.08.1998

(51)Int.Cl.

G09F 9/30

(21)Application number : 09-012295

(71)Applicant : TORAY IND INC

(22)Date of filing : 27.01.1997

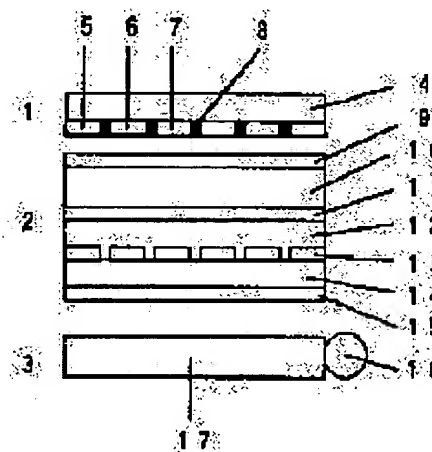
(72)Inventor : HIMESHIMA YOSHIO
FUJIMORI SHIGEO

(54) LUMINOUS DISPLAY

(57)Abstract:

PROBLEM TO BE SOLVED: To realize a display with a wide view angle, long life and high color purity by providing a light wavelength conversion mechanism containing an organic phosphor capable of light emitting blue, green and red with at least a kind or above of light with a central wavelength of a specified area.

SOLUTION: This display consists of the light wavelength conversion mechanism 1 containing the organic phosphor, an optical shutter mechanism 2 and an element 3 converting electric energy to the light. The light wavelength conversion mechanism 1 contains the organic phosphor, and can emit the light in the visible region by the light of at least a kind or above of the light with the central wavelength of 390-700nm. When three primary colors are obtained for a color display, the matter that a light emission central wavelength of a light source enters within the range of 390-500nm is preferred, and most preferably, it enters within the range of 440-500nm. In such a case, by using the organic phosphor, a long wavelength side of a wavelength band is used as the light source until an area visual sensitively visible to blue-green such as 500nm. Thus, a full color image display without view angular dependency becomes possible.



BEST AVAILABLE COPY

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office